

DS-2CD6924G0-IHS(Y)(C) 180° Stitched 8 MP PanoVu Camera



- 180° splicing image to present all scenes that covered by the camera
- Built-in heater, ultra-low temperature start up to -40 °C (-40 °F)
- Water and dust resistant (IP67) and vandal proof (IK10)
- Smart human density counting and abnormal event detection to increase public area safety

▪ Specification

| Camera | |
|------------------------|---|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Max. Resolution | Panorama+ePTZ mode: panorama channel: 1920 × 1080; ePTZ channel: 1920 × 1080 Panorama mode: 3840 × 2160 Original mode: 1920 × 1080 |
| Min. Illumination | Color: 0.009 Lux @ (F1.6, AGC ON) B/W: 0.0018 Lux @ (F1.6, AGC ON), 0 Lux with IR |
| Shutter Time | 1/25 s to 1/100,000 s |
| Day & Night | IR cut filter, Blue glass module to reduce ghost phenomenon |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 90° |
| Lens | |
| Lens Type | Fixed focal lens, 2.8 mm, four lenses |
| Focal Length & FOV | 2.8 mm, horizontal FOV 180°, vertical FOV 90° |
| Lens Mount | M16 |
| Aperture | F1.6 |
| DORI | |
| DORI | 2.8 mm: D: 32 m, O: 12.5 m, R: 6.5 m, I: 3 m |
| Illuminator | |
| Supplement Light Type | IR, four IR LEDs |
| Supplement Light Range | Up to 20 m |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | Panorama+ePTZ mode: Panorama channel: 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) ePTZ channel: 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Panorama mode: 50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080) 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080) Original mode: 50 Hz: 25 fps (1920 × 1080) 60 Hz: 30 fps (1920 × 1080) |
| Sub-Stream | Panorama mode: 50 Hz: 25 fps (1280 × 720, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264/MJPEG (panorama + ePTZ mode, panorama mode) Sub-stream: H.265/H.264/MJPEG (original mode) |
| Video Bit Rate | 32 Kbps to 64 Mbps |
| H.264 Type | Baseline Profile, Main Profile, High Profile |

| | |
|-----------------------------|--|
| H.265 Type | Main Profile |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| Target Cropping | Yes (only panorama mode supports) |
| Audio | |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC |
| Audio Bit Rate | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/48 kHz |
| Environment Noise Filtering | Yes |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour |
| Simultaneous Live View | Up to 20 channels |
| API | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK, ISUP |
| User/Host | Up to 32 users 3 user levels: administrator, operator, and user |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, TLS1.1, TLS 1.2, TLS1.3 |
| Network Storage | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR) |
| Client | iVMS-4200 |
| Web Browser | Plug-in required live view: IE 10, IE 11 Plug-in free live view: Safari 12+ Local service: Chrome 57+, Firefox 52+ |
| Image | |
| Image Settings | Rotate mode (only original mode supports), saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser |
| Day/Night Switch | Day, Night, Auto, Schedule, Alarm Trigger |
| Wide Dynamic Range (WDR) | Digital WDR |
| Image Enhancement | BLC, HLC, 3D DNR, Defog, EIS (only original mode supports) |
| Privacy Mask | 4 programmable polygon privacy masks, Only original mode supports. |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format |
| Interface | |
| Ethernet Interface | 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB |
| Audio | 1 input (line in), 3.5 mm, three-contact, max. input amplitude: 1 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm, three-contact, max. output amplitude: 1 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm | 2 inputs, 2 outputs (max. 24 VDC, 1 A) |
| RS-485 | 1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) |
| Reset Key | Yes |

| Event | |
|----------------------------------|---|
| Basic Event | Motion detection, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, audio exception, unattended baggage detection, object removal detection (Only panorama mode supports) |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture |
| Deep Learning Function | |
| People Density | Yes (only panorama mode supports) |
| General | |
| Power | 12 VDC, 1.4 A, max. 24 W, three-core terminal block PoE: IEEE 802.3at, 42.5 V to 57 V, 0.5 to 0.4 A |
| Material | Aluminum alloy |
| Dimension | 190 mm × 208 mm × 207 mm (7.5" × 8.2" × 8.1") |
| Package Dimension | 340 mm × 261 mm × 293 mm (13.4" × 10.3" × 11.5") |
| Weight | Approx. 3350 g (6.6 lb.) |
| With Package Weight | Approx. 5420 g (11 lb.) |
| Storage Conditions | -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) |
| Language | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| General Function | Anti-flicker, heartbeat, mirror (only original mode and panorama mode supports), password protection, watermark, IP address filter, pixel counter (only panorama mode supports) |
| Heater | Yes |
| Approval | |
| EMC | CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015 |
| Safety | CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1 |
| Environment | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006 |
| Protection | IP67: IEC 60529-2013, IK10: IEC 62262:2002 |
| Anti-Corrosion Protection | -Y: NEMA 4X (NEMA 250-2018) |

▪ **Typical Application**

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

With -Y model: This model has MODERATE PROTECTION.

Without -Y model: This model has NO SPECIFIC PROTECTION.

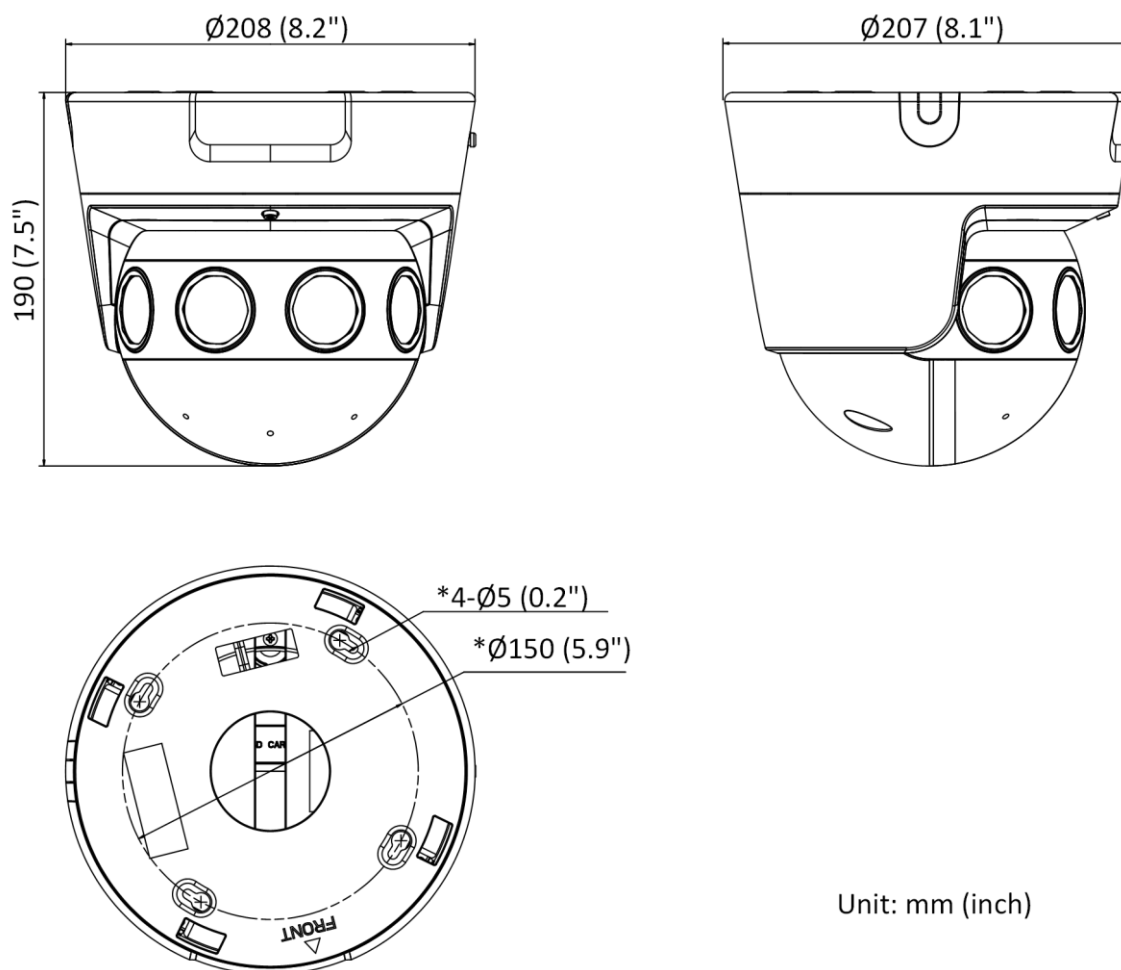
| Level | Description |
|------------------------|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed. |

▪ **Available Model**

DS-2CD6924G0-IHS(2.8mm)(C)

DS-2CD6924G0-IHSY(2.8mm)(C)

▪ **Dimension**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| DS-1604ZJ-box Wall Mount | DS-1660ZJ Parapet Wall Mount | DS-1661ZJ Pendant Mount | DS-1662ZJ Pendant Mount | DS-1602ZJ-Pole Vertical pole mount |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-1663ZJ Ceiling Mount | DS-1602ZJ-Corner Corner mount | DS-1619ZJ Pendant Mount | DS-1602ZJ Wall mount | |
|  |  |  |  | |

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